CLAIMS

Claims 1 through 4 (Cancelled).

5. (Previously Presented) A three-dimensional graphics drawing apparatus drawing an object based on color data and coordinate data, comprising:

a transmittance setting unit for setting transmittance of the object based on a depth coordinate value included in said coordinate data; and

a drawing unit for drawing the object based on the color data including the transmittance set by said transmittance setting unit and said coordinate data,

wherein said transmittance setting unit uses a reciprocal of the depth coordinate value of the object to calculate the transmittance of the relevant object.

6. (Currently Amended) The three-dimensional graphics drawing apparatus according to claim [[1]] 20 , wherein

said transmittance setting unit sets the depth coordinate value of the object as the transmittance of the relevant object when the depth coordinate value of the object is not greater than a threshold value, and sets a prescribed value as the transmittance of the object when the depth coordinate value of the relevant object exceeds the threshold value.

Claims 7-8 (Cancelled)

9. (Previously Presented) The three-dimensional graphics drawing apparatus according to claim 5, wherein

said transmittance setting unit calculates the transmittance of the object using the reciprocal of the depth coordinate value of the relevant object when the depth coordinate value of the relevant object is at least a threshold value, and sets a prescribed value as the transmittance of the object when the depth coordinate value of the relevant object is less than the threshold value.

10. (Previously Presented) A three-dimensional graphics drawing apparatus drawing an object based on color data and coordinate data including a depth coordinate value, comprising:

a color register for storing the color data of the object;

a color data setting unit for setting the color data of the object in said color register when the depth coordinate value of the relevant object is not greater than a threshold value, and setting a prescribed value in said color register so that the object having a depth coordinate value greater than the threshold value is prevented from being displayed when the depth coordinate value of the relevant object exceeds the threshold value; and

a drawing unit for drawing the object based on the color data stored in said color register and said coordinate data.

11. (Currently Amended) A three-dimensional graphics drawing method for drawing an object based on color data and coordinate data, comprising the steps of:

setting transmittance of the object based on a depth coordinate value included in said coordinate data; and

drawing the object based on the color data including said transmittance set in the setting step and said coordinate data,

wherein said step of setting the transmittance of the object includes the step of setting the depth coordinate value of the relevant object as the transmittance of the object; and

inhibiting drawing the object if the depth exceeds a threshold value.

Claims 12-14 (Cancelled)

15. (Previously Presented) A three-dimensional graphics drawing method for drawing an object based on color data and coordinate data, comprising the steps of:

setting transmittance of the object based on a depth coordinate value included in said coordinate data; and

drawing the object based on the color data including said transmittance set in the setting step and said coordinate data,

wherein said step of setting the transmittance of the object includes the step of calculating the transmittance of the object using a reciprocal of the depth coordinate value of the relevant object.

16. (Previously Presented) The three-dimensional graphics drawing method according to claim 11, wherein

said step of setting the depth coordinate value of the relevant object includes setting the depth coordinate value as the transmittance of the object when the depth coordinate value of the relevant object is not greater than a threshold value, and setting a prescribed value as the transmittance of the object when the depth coordinate value of the relevant object exceeds the threshold value.

Claims 17-18 (Cancelled)

19. (Previously Presented) The three-dimensional graphics drawing method according to claim 15, wherein

said step of calculating the transmittance of the object includes the steps of calculating the transmittance of the object using said reciprocal of the depth coordinate value of the relevant object when the depth coordinate value of the relevant object is at least a threshold value, and setting a prescribed value as the transmittance of the object when the depth coordinate value of the relevant object is less than the threshold value.

20. (New) A three-dimensional graphics drawing apparatus drawing an object based on color data and coordinate data, comprising:

a transmittance setting unit for setting transmittance of the object based on a depth coordinate value included in said coordinate data; and

a drawing unit for drawing the object based on the color data including the transmittance set by said transmittance setting unit and said coordinate data,

wherein said transmittance setting unit sets the depth coordinate value of the object as the transmittance of the relevant object and drawing of the object is inhibited if the depth exceeds a threshold value.